

(12) NACH DEM VERTRÄG ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES  
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG

**BERICHTIGTE FASSUNG**

(19) Weltorganisation für geistiges Eigentum  
Internationales Büro



(43) Internationales Veröffentlichungsdatum  
25. März 2004 (25.03.2004)

PCT

(10) Internationale Veröffentlichungsnummer  
**WO 2004/025299 A1**

- (51) Internationale Patentklassifikation<sup>7</sup>: **G01N 33/533**
- (21) Internationales Aktenzeichen: PCT/EP2003/009299
- (22) Internationales Anmeldedatum:  
21. August 2003 (21.08.2003)
- (25) Einreichungssprache: Deutsch
- (26) Veröffentlichungssprache: Deutsch
- (30) Angaben zur Priorität:  
102 39 098.3 26. August 2002 (26.08.2002) DE
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- (81) Bestimmungsstaaten (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO Patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), eurasisches Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), europäisches Patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

**Erklärung gemäß Regel 4.17:**

— *hinsichtlich der Berechtigung des Anmelders, die Priorität einer früheren Anmeldung zu beanspruchen (Regel 4.17 Ziffer iii) für die folgenden Bestimmungsstaaten AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO Patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), eurasisches Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), europäisches Patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*

**Veröffentlicht:**

— *mit internationalem Recherchenbericht*

(48) Datum der Veröffentlichung dieser berichtigten Fassung: 7. April 2005

(15) Informationen zur Berichtigung:

siehe PCT Gazette Nr. 14/2005 vom 7. April 2005, Section II

*Zur Erklärung der Zweibuchstaben-Codes und der anderen Abkürzungen wird auf die Erklärungen ("Guidance Notes on Codes and Abbreviations") am Anfang jeder regulären Ausgabe der PCT-Gazette verwiesen.*

(54) Title: GENERATION OF CHEMILUMINESCENCE BY HYDROGEN

(54) Bezeichnung: ERZEUGUNG VON CHEMILUMINESZENZ DURCH WASSERSTOFF

(57) Abstract: The invention relates to a method for identifying an analyte in a sample while using a luminescent metal complex as a marker group, and to a device suited for carrying out this method.

(57) Zusammenfassung: Die vorliegende Erfindung betrifft ein Verfahren zum Nachweis eines Analyten in einer Probe unter Verwendung eines lumineszierenden Metallkomplexes als Markierungsgruppe und eine dafür geeignete Vorrichtung.

**WO 2004/025299 A1**

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/09299A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01N33/533

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 432 722 B1 (PUNZMANN GABRIELE ET AL) 13 August 2002 (2002-08-13)  the whole document ---	1-10, 14-16, 23,26-28
X	US 6 271 041 B1 (POWELL MICHAEL JOSEPH ET AL) 7 August 2001 (2001-08-07)  column 9, line 48 -column 17, line 40; figure 1 ---	1,3,4, 6-10, 14-16, 23,26-28
A	WO 02 00726 A (SCHIFFRIN DAVID JORGE ;WILSON ROBERT (GB); LUMIGEN INC (US); AKHAV) 3 January 2002 (2002-01-03) figures 1,2,7 ---	1-22
X	---	23-28
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 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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\*&\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

26 November 2003

16/12/2003

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 09299

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	YANG MINLI ET AL: "Electrochemiluminescence assay for the detection of acridinium esters" ANALYTICA CHIMICA ACTA, vol. 461, no. 1, 12 June 2002 (2002-06-12), pages 141-146, XP002262847 ISSN: 0003-2670 abstract -----	1-22
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